

## 0212466000 CLEAR CREEK AT SECONDARY ROAD 3181 NEAR MINT HILL, NC

LOCATION.--Lat 35°12'30", long 80°34'48", Mecklenburg County, Hydrologic Unit 03040105, on right bank at wingwall on Secondary Road 3181, 4.25 mi northeast of Mint Hill.

DRAINAGE AREA.--12.6 mi<sup>2</sup>.

PERIOD OF RECORD.--October 2002 to current year.

GAGE.--Water-stage recorder and crest-stage gage. Elevation of gage is 558.29 ft above North American Vertical Datum of 1988, from levels. Radio telemetry at station.

REMARKS.--Records fair, except those for estimated daily discharges, which are poor. Minimum discharge for period of record also occurred on Oct. 9, 2002, Sept. 22, 2003. Minimum discharge for current water year also occurred Sept. 25, 26, 28-30.

DISCHARGE, CUBIC FEET PER SECOND  
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005  
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	8.4	7.3	6.0	3.7	10	29	16	7.4	5.0	2.6	6.2	0.86
2	7.4	6.8	5.4	3.6	10	18	e12	5.7	190	4.4	3.4	0.78
3	6.8	6.7	5.0	3.6	25	14	e9.4	5.1	18	2.8	2.8	0.69
4	6.8	14	4.6	3.6	19	13	8.6	4.8	10	2.7	2.4	0.61
5	6.9	9.0	4.4	3.5	14	12	7.7	4.9	7.8	2.4	2.2	0.62
6	6.8	6.0	4.6	3.5	12	10	7.2	5.2	48	2.2	2.1	0.68
7	6.7	5.5	5.7	3.3	11	10	7.0	4.8	23	5.7	2.0	0.65
8	6.7	5.4	4.6	3.3	11	29	7.2	4.5	8.2	4.6	1.9	0.59
9	6.7	5.0	4.3	3.4	11	16	7.2	4.2	6.4	2.8	2.0	0.68
10	6.5	4.8	18	3.4	10	12	7.0	4.1	5.8	2.4	1.9	0.72
11	6.4	5.0	10	3.3	10	11	7.0	5.0	4.9	2.4	1.7	0.51
12	6.3	7.0	6.7	3.1	9.8	9.7	25	7.5	4.7	2.2	1.6	0.43
13	56	8.1	5.7	3.0	9.7	9.0	84	8.6	4.7	1.9	1.5	0.41
14	e10	5.8	4.9	69	13	e8.7	67	4.9	4.9	2.1	1.8	0.43
15	e8.2	5.6	4.5	18	14	8.0	17	4.3	4.5	1.9	1.4	0.39
16	e6.8	5.4	e4.4	14	12	e29	12	4.1	3.6	1.9	1.1	0.46
17	e5.9	5.4	e4.4	12	11	47	9.9	3.8	3.3	1.8	1.0	0.69
18	e5.5	5.4	4.2	11	10	18	8.9	3.5	3.3	1.7	1.6	0.44
19	e5.4	5.1	4.2	11	10	13	8.0	3.5	3.2	1.6	1.3	0.36
20	e5.4	4.9	4.0	11	11	10	7.4	6.6	3.2	2.1	0.99	0.37
21	e5.5	4.7	3.8	10	15	8.7	6.9	4.3	3.1	1.6	0.88	0.39
22	5.5	4.6	3.9	9.9	e14	8.2	6.5	3.5	2.9	1.5	0.80	0.34
23	5.4	6.7	6.6	e9.8	12	23	6.6	3.4	2.6	1.5	0.84	0.29
24	5.7	6.6	5.3	e9.6	25	12	6.2	3.2	2.4	1.4	0.95	0.28
25	5.8	8.6	4.3	9.9	18	9.4	6.1	3.0	2.3	1.2	0.88	0.27
26	5.5	5.4	4.1	9.8	14	7.8	5.9	2.9	2.4	1.2	0.74	0.27
27	6.0	4.9	3.9	9.3	12	7.3	6.0	3.0	2.7	1.1	0.70	0.30
28	7.9	14	3.9	8.7	124	193	5.6	2.9	5.3	21	0.69	0.28
29	7.2	7.2	4.0	9.1	---	22	5.5	2.9	3.7	26	0.68	0.28
30	7.4	6.0	3.9	13	---	12	6.2	3.6	2.7	16	0.77	0.28
31	7.4	---	3.8	12	---	20	---	3.4	---	20	0.88	---
TOTAL	254.9	196.9	163.1	301.4	477.5	649.8	397.0	138.6	392.6	144.7	49.70	14.35
MEAN	8.22	6.56	5.26	9.72	17.1	21.0	13.2	4.47	13.1	4.67	1.60	0.48
MAX	56	14	18	69	124	193	84	8.6	190	26	6.2	0.86
MIN	5.4	4.6	3.8	3.0	9.7	7.3	5.5	2.9	2.3	1.1	0.68	0.27
CFM	0.65	0.52	0.42	0.77	1.35	1.66	1.05	0.35	1.04	0.37	0.13	0.04
IN.	0.75	0.58	0.48	0.89	1.41	1.92	1.17	0.41	1.16	0.43	0.15	0.04

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 2003 - 2005, BY WATER YEAR (WY)

MEAN	6.30	7.39	11.4	6.71	15.7	24.0	25.3	15.1	23.9	10.5	5.53	11.0
MAX	8.22	11.4	23.2	9.72	19.9	41.9	58.7	39.2	56.9	20.8	11.9	29.2
(WY)	(2005)	(2003)	(2003)	(2005)	(2003)	(2003)	(2003)	(2003)	(2003)	(2003)	(2003)	(2004)
MIN	3.90	4.17	5.26	3.70	10.2	9.15	3.89	1.69	1.88	4.67	1.60	0.48
(WY)	(2004)	(2004)	(2005)	(2004)	(2004)	(2004)	(2004)	(2004)	(2004)	(2005)	(2005)	(2005)

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SUMMARY STATISTICS	FOR 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 2003 - 2005	
ANNUAL TOTAL	2,689.92		3,180.55		13.5	
ANNUAL MEAN	7.35		8.71		6.81	
HIGHEST ANNUAL MEAN					25.0	2003
LOWEST ANNUAL MEAN					6.81	2004
HIGHEST DAILY MEAN	348	Sep 28	193	Mar 28	646	Apr 10, 2003
LOWEST DAILY MEAN	0.59	Jul 16	0.27	Sep 25	0.20	Oct 9, 2002
ANNUAL SEVEN-DAY MINIMUM	0.80	May 29	0.28	Sep 24	0.28	Oct 3, 2002
MAXIMUM PEAK FLOW			936	Jun 2		
MAXIMUM PEAK STAGE			6.22	Jun 2	10.92	Sep 28, 2004
INSTANTANEOUS LOW FLOW			0.24*	Sep 24	0.13*	Oct 8, 2002
ANNUAL RUNOFF (CFSM)	0.583		0.692		1.07	
ANNUAL RUNOFF (INCHES)	7.94		9.39		14.57	
10 PERCENT EXCEEDS	9.0		14		20	
50 PERCENT EXCEEDS	3.9		5.4		4.8	
90 PERCENT EXCEEDS	1.0		0.85		1.2	

\* See REMARKS.

e Estimated.

